

WE CLAIM:

1. A tomography imaging system comprising an acquisition unit, a patient positioning table with a horizontally movable patient board, which patient board can be slid through a scan region of the acquisition unit for examination, and a first support device being arranged with regard to the patient positioning table, said support device supporting the patient board upon passing through the scan region, said first support device being directly attached to the acquisition unit.

2. A tomography imaging system according to claim 1, wherein the first support device is implemented so that it can be extended.

3. A tomography imaging system according to claim 2, wherein control means are directly provided for the first support device which regulates the extension length of the first support device, so that an automatic compensation of the extension length automatically occurs given a tilting of the acquisition unit in order to keep the patient board in a horizontal position.

4. A tomography imaging system according to claim 3, which includes a second support device that is extended preferably in the horizontal direction and is mounted on the patient positioning table.

5. A tomography imaging system according to claim 4, wherein at least one of the first and second support devices includes a rotary member in a contact region with the patient board.

6. A tomography imaging system according to claim 5, wherein at least one of the first and second support devices includes runners in contact with the region of the patient support board, whereby complementary rotary members are mounted on the patient board.

7. A tomography imaging system according to claim 6, wherein one of the first and second support devices includes dampening elements.

8. A tomography imaging system according to claim 7, wherein the dampening elements are gas compression springs.

9. A tomography imaging system according to claim 6, wherein the contact region comprises dampening elements.

10. A tomography imaging system according to claim 1, which includes a second support device that can be extended in a horizontal direction and is mounted on the patient support table.

11. A tomography imaging system according to claim 10, wherein at least one of the first and second support devices includes a rotary member in a contact region with the patient board.

12. A tomography imaging system according to claim 10, wherein at least one of the first and second support devices includes runners in a contact region with the patient board, and complementary rotary members being mounted on the patient board engaging the runners.

13. A tomography imaging system according to claim 10, wherein at least one of the first and second support devices includes dampening elements.

14. A tomography imaging system according to claim 1, wherein the contact region includes dampening elements.

15. A tomography imaging system according to claim 1, wherein the support device has a rotary member for engaging a contact region of the patient board.

16. A tomography imaging system according to claim 1, wherein the support device includes a runner in the contact region with the patient board and complementary rotary members being mounted on the patient board to engage the runners.

17. A tomography imaging system according to claim 1, wherein the support device comprises dampening elements.